

SANGRE DE CRISTO WATER DIVISION

SEPTEMBER 2008 CONSTRUCTION STANDARDS AND SPECIFICATIONS

Amendment #1

Issue Date: September 23, 2009

Section C.5 (Revise as follows):

C.5 Mechanical Joint Retainers: shall be the Megalug as manufactured by EBAA Iron, Inc. Eastland, Texas, or the Uni-Flange as manufactured by the Ford Meter Box Company, Inc., Wabash, Indiana.

For EBAA Iron, Inc. products, the following shall be used:

The series 2000PV Megalug shall be used for 4"-12" AWWA C900 PVC pipe and for 14"-30" AWWA C905 PVC pipe. The series 1100 Megalug shall be used for Ductile Iron pipe. Push on pipe joint harness devices shall be series 1500 HV for AWWA C900 PVC, series 1100HV for AWWA C905 PVC, and series 1700 for Ductile Iron pipe.

Ford Uni-Flange products shall be as follows:

Series UFR1500-E-x-U shall be used for 4"-12" AWWA C900 PVC DR18 pipe. Series UFR1500-E-C shall be used for AWWA C905 14"-24" PVC pipe. Series UFR1400-D-x-U shall be used for Ductile Iron Pipe. Push on pipe joint harness devices shall be the series UFR1390-C-x-U for Ductile Iron pipe and AWWA C900 PVC.

Section C.6 (Revise as follows):

C.6 Tapping Sleeves: Tapping sleeves (for taps other than size-on-size) shall have an epoxy lined and coated carbon steel A-36 body or an all stainless steel body; type 304 stainless steel bolts, hex nuts and plug; gasket suitable for water use; ANSI Class 150 flange. Tapping sleeves shall be manufactured by Romac Industries (Model 420 fabricated steel tapping sleeve), JCM (Model 412 fabricated steel tapping sleeve), PowerSeal (Model 3490 MJ stainless steel tapping sleeve with MJ outlet or AS stainless steel tapping sleeve with flange outlet), Ford (Model FTSC steel tapping sleeve or Model FTSS stainless steel tapping sleeve with stainless steel flange), or approved equal.

For size-on-size taps, a full wrap-around gasket and stainless steel full wrap-around tapping sleeve is required. The acceptable manufacturers are: Romac Industries (Model SST or Model SST-III stainless steel tapping sleeve), PowerSeal (Model 3480 stainless steel tapping sleeve or Model 3490 MJ stainless steel tapping sleeve with MJ outlet or AS stainless steel tapping sleeve

with flange outlet), Ford (Model FTSS stainless steel tapping sleeve with stainless steel flange), or approved equal.

Section C.17 (Revise as follows):

C.17 Meter Yokes: Yokes shall be constructed of cast iron. The meter yoke bar shall be painted. A 5/8" meter shall use 5/8" x 3/4" yoke; a 3/4" meter shall use 1" yoke, two (2) 1" x 3/4" meter adapters, and one (1) expansion connector; a 1" meter shall use 1" yoke and one (1) expansion connector. Yokes shall be the model and manufacturer as listed:

Manufacturer	Model for 5/8"	Model for 3/4" or 1"
AY McDonald	14-2	14-4
Ford	Y 502	Y 504
Jones	J 6201	J 6202
Mueller	H-5020	H-5040

Section C.18 (Revise as follows):

C.18 Angle Valves: Angle valves shall be ball type compression connection for CTS tubing x locknut. (Locknut for yoke bar shall be used instead of a meter swivel). Angle valves shall be the model and manufacturer as listed:

Manufacturer	Ball Style Model for 5/8"	Ball Style Model for 3/4" or 1"
AY McDonald	4602BYQ	4602BYQ
Jones	J-6417WSG	J-6417WSG
Ford	BA94-323W-Q	BA94-444W-Q
Mueller	B-24273	B-24273

Include the following information for residential double meter services:

1. 5/8" Double Service Branch Piece
 - Acceptable Manufacturers: Jones (J-2613SG w/ dimensions of 1"x7-1/2"x 3/4"MIP), Mueller (H-15363 1"x7-1/2"x 3/4"MIP), and Ford (U48-43-Q 1"x7-1/2"x 3/4" MIP).
2. 5/8" Double Service Angle Valve
 - Acceptable Manufacturer: Mueller Co. Angle Ball Valve (B-24278 w/ dimensions of 5/8"x 3/4"x 3/4"FIP) and Ford Angle Ball Yoke Valve (BA91-323W w/ dimensions of 5/8"x 3/4"& 3/4" FIP).

Section C.19 (Revise as follows):

C.19 Angle Ell: Angle ells shall be equipped with test valves and shall be compression connection by locknut. Angle ells shall be the model and manufacturer as listed:

Manufacturer	Model for 5/8"	Model for 3/4"	Model for 1"
Jones	J-6231DSG	J-6231SG	J-6231SG
Mueller	H-14237		
Ford	L94-23TD-Q	L94-44TD-Q	L94-44TD-Q

Section C.22 (Revise as follows):

C.22 Corporation Stops: Corporation stops must be ball type with CC thread (AWWA tapered thread) inlet and compression connection on outlet (CTS – copper tube size). Iron pipe thread not acceptable. Corporation stops shall be the model and manufacturer listed:

Manufacturer	Model Number
AY McDonald	4701BQ
Mueller	B-25008
Ford	FB1000-x-Q-K

Section C.23 (Revise as follows):

C.23 Service Tapping Saddles: For PVC (C900) installations: bronze parts are not acceptable. Service tapping saddle shall be stainless steel, double strap with iron body. The iron body shall have either epoxy coating (10-12 mills minimum) or nylon coating (10-12 mills minimum). Acceptable manufacturers are Smith-Blair, Ford, and Mueller Co. Double band brass saddles with stainless steel bolts and band, style 202BS, as manufactured by Ford are also accepted.

For DIP/CIP installations: Direct tap with CC threads (AWWA tapered threads) is preferred. Iron pipe thread is not acceptable. Alternate exception is installation of stainless steel full circle tapped clamp with CC threads (AWWA tapered threads). All stainless steel to be: one section, two bolt minimum. Romac and JCM are acceptable manufacturers. Double band brass saddles with stainless steel bolts and band, style 202BSD, as manufactured by Ford are also accepted. When multiple taps are required the following spacing is approved: Minimum 12" horizontal spacing and vertical spacing shall alternate 75° and 85° from vertical.